

Tightrope Walker



Kit contains:

- 1 tightrope walker character
- 2 coils of wire
- 3 straw pieces
- 2 binder clips
- 1 bottle cape with hole
- 1 paper umbrella
- 1 washer

You will need: scissors, tape, a marker, and two hardcover books of the same height.



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INSTRUCTIONS

BUILD THE TIGHTROPE

Step 1. Wind the longer piece of wire around a marker, leaving the ends straight. Pull the coil off the marker to create a spring.



Step 2. Flip up the loops on both binder clips. Then fit a short piece of straw between each pair of loops. Thread onto each end of the wire.

Step 3. Prop up your hardcover books. Clip your tightrope to the covers.



Step 4. Bend one wire end to prevent slipping. Bend the other into the shape of a crank. If your straw pieces slip around, you can reinforce with a piece of tape.

BUILD THE TIGHTROPE WALKER

Step 5. Cut out your character. Slide the longest straw piece through the bottle cap. Tape your tightrope walker to the straw. Attach umbrella.



Step 6. Bend the shorter piece of wire as shown. Slide your cap dude onto the top.



Step 7. Place the tightrope walker on the tightrope. Hang the washer on the wire J to keep it upright.



Turn the crank to make your balancing character walk the tightrope.

OBSERVE HOW IT WORKS!

When you turn the crank clockwise, does your tightrope walker move left or right? How about when you turn the crank counterclockwise? Look closely. Does your tightrope walker spin or face in one direction as it moves? What is causing this to happen?